

Converting Colors

$Y_{xy}(31.3086, 0.5455, 0.3641)$

Have a look what the booklet for
Yxy(31.3086, 0.5455, 0.3641)
contains.

Yxy(31.2763, 0.5460, 0.3643)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2763, 0.5460, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	FF673B
RGB	255, 103, 59
RGB Percent	100%, 40%, 23%
CMY	0.0001, 0.5960, 0.7687
CMYK	0.00, 0.60, 0.77, 0.00
HSL	13°, 100%, 62%
HSV	13°, 77%, 100%
XYZ	46.8758, 31.2763, 7.7010
YIQ	143.4320, 104.7160, 18.5400

Conversions

Conversions Part 2

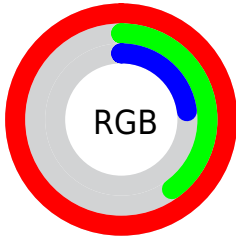
Format	Color
R_{YB}	255, 116, 59
Decimal	16738107
CIE _{Lab}	62.74, 55.64, 53.05
CIE _{LCh}	63, 76.878, 43.633
Yxy	31.2763, 0.5460, 0.3643
Android (android.graphics.Color)	4294928187 (0xFFFF673B)
YUV	143.4320, -41.6250, 97.8451
Hunter-Lab	55.9252, 51.7473, 30.9833

Details

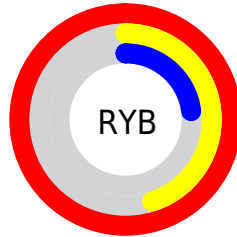
The Yxy color **31.2763, 0.5460, 0.3643** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **54.7089, 0.2149, 0.2726**, and the grayscale version is **27.7910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1604, 0.4543, 0.3798**, and **13.0457, 0.6068, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **27.5954, 0.5821, 0.3599**, and if you desaturate by 10%, it is **36.0194, 0.5055, 0.3648**.

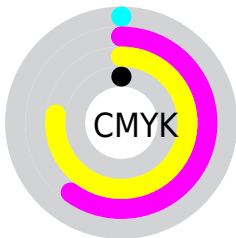
Distribution



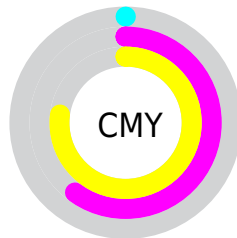
- Red (100%)
- Green (40%)
- Blue (23%)



- Red (100%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (60%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2763, 0.5460, 0.3643 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 31.2763, 0.5460, 0.3643 by changing the saturation by 10% instead.

 31.2763, 0.5460,
0.3643


 31.2763, 0.5460,
0.3643


307.8092, 0.4264,
0.3596

 20.8093, 0.5737,
0.3602


 61.6748, 0.5035,
0.3664

 12.9847, 0.6068,
0.3518


 82.3752, 0.4871,
0.3660


 7.4180, 0.6508,
0.3384


 107.2554, 0.4731,
0.3652

 3.7249, 0.6925,
0.3075

 136.7000, 0.4611,
0.3642

 1.5209, 0.7431,
0.2569

 171.0932, 0.4506,
0.3631

 0.3034, 0.8642,
0.1358

 210.8196, 0.4415,

 0.0000, 1.0000,

0.3619

0.0000

256.2635, 0.4335,
0.3607

0.0000, 0.0000,
0.0000

31.2763, 0.5460,
0.3643

31.2763, 0.5460,
0.3643

27.5954, 0.5821,
0.3599

36.0194, 0.5055,
0.3648

24.8839, 0.6091,
0.3518


41.8961, 0.4650,
0.3621


24.2131, 0.6159,
0.3492

48.9773, 0.4277,
0.3573

57.3263, 0.3949,
0.3514

67.0021, 0.3669,
0.3451

 78.0596, 0.3435,
0.3389

 90.5509, 0.3241,
0.3329

99.9975, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.2763, 0.5026, 0.2911



31.2763, 0.5460, 0.3643



31.2763, 0.5090, 0.4448

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.2763, 0.5460, 0.3643



31.2763, 0.2168, 0.4757



31.2763, 0.1801, 0.1621

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.2763, 0.5460, 0.3643



54.7089, 0.2149, 0.2726

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



31.2763, 0.1349, 0.1729



31.2763, 0.5460, 0.3643



31.2763, 0.1485, 0.3293

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.2763, 0.5460, 0.3643



31.2763, 0.3181, 0.5572



31.2763, 0.1239, 0.2230



31.2763, 0.2662, 0.1811

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.2763, 0.5460, 0.3643



31.2763, 0.4551, 0.5001



31.2763, 0.1239, 0.2230



31.2763, 0.1609, 0.1622

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.2781, 0.5460, 0.3643



71.1223, 0.3574, 0.3427



29.1630, 0.3667, 0.1954



14.3999, 0.3663, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.2781, 0.5460, 0.3643



26.0922, 0.5973, 0.3561



62.6279, 0.4529, 0.4535



18.6489, 0.3289, 0.3344



12.8347, 0.6133, 0.3512



1.4045, 0.5921, 0.3680

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



54.7089, 0.2149, 0.2726



49.7479, 0.2065, 0.2599



20.2995, 0.1808, 0.1416



19.7483, 0.2980, 0.3235



25.0390, 0.2041, 0.2547



2.5997, 0.2067, 0.2641

Previews

White Background



This preview shows how the Yxy color 31.2763, 0.5460, 0.3643 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.2763, 0.5460, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2763, 0.5460, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 31.2763, 0.5460, 0.3643.



This preview shows how white text looks on a background with the Yxy color 31.2763, 0.5460, 0.3643.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.2763, 0.5460, 0.3643

Protanopia

31.2623, 0.4044, 0.4424

Deuteranopia

31.2363, 0.4546, 0.4439



Tritanopia

31.2036, 0.5011, 0.3240

Trichromacy



Original Color

31.2763, 0.5460, 0.3643

Protanomaly

29.7469, 0.4600, 0.4098

Deuteranomaly

30.2446, 0.4917, 0.4108

Tritanomaly

31.0789, 0.5205, 0.3402

Monochromacy



Original Color

31.2763, 0.5460, 0.3643

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.7985, 0.3996, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2763, 0.5460, 0.3643 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 103, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 59)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 103, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 59) }
```

Border

The CSS property to change the border of an element to Yxy 31.2763, 0.5460, 0.3643 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 103, 59) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 103, 59) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 103, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
59) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.2763, 0.5460, 0.3643$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 59) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
103, 59) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor